

AMENDMENTS TO THE CLAIMS

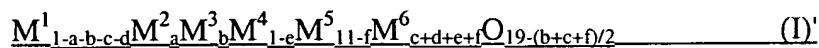
This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (canceled).

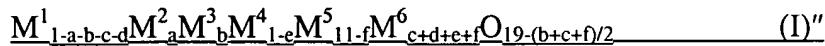
2. (currently amended): A phosphor according to claim ~~4~~ 3 or 4, wherein c, d, e and f satisfy the condition $0.001 \leq c+d+e+f \leq 1$.

3. (currently amended): A phosphor according to claim 1 or 2, for vacuum ultraviolet ray-excited light-emitting elements which comprises a compound represented by the following formula (I)':



wherein \mathbf{M}^1 is at least one element selected from the group consisting of La, Y and Gd, \mathbf{M}^2 is at least one element selected from the group consisting of Ce and Tb, \mathbf{M}^3 is at least one element selected from the group consisting of Ca, Sr and Ba, \mathbf{M}^4 consists of Mg and Zn, \mathbf{M}^5 is at least one element selected from the group consisting of Al and Ga, and \mathbf{M}^6 is at least one element selected from the group consisting of Mn and Eu, and a, b, c, d, e and f are numbers satisfying the conditions of $0 \leq a \leq 1$, $0 \leq b \leq 0.6$, $0 \leq c \leq 0.5$, $0 \leq d \leq 0.5$, $0 \leq e \leq 1$, $0 \leq f \leq 1$, $a+b+c+d \leq 1$, and $0 < c+d+e+f$, respectively.

4. (currently amended): A phosphor ~~according to claim 1 or 2, for vacuum ultraviolet ray-excited light-emitting elements which comprises a compound represented by the following formula (I)":~~



wherein M^1 consists of La and Y, M^2 is at least one element selected from the group consisting of Ce and Tb, M^3 is at least one element selected from the group consisting of Ca, Sr and Ba, M^4 is at least one element selected from the group consisting of Mg and Zn, M^5 is at least one element selected from the group consisting of Al and Ga, and M^6 is at least one element selected from the group consisting of Mn and Eu, and a, b, c, d, e and f are numbers satisfying the conditions of $0 \leq a < 1$, $0 \leq b \leq 0.6$, $0 \leq c \leq 0.5$, $0 \leq d \leq 0.5$, $0 \leq e < 1$, $0 \leq f < 1$, $a+b+c+d < 1$, and $0 < c+d+e+f$, respectively.

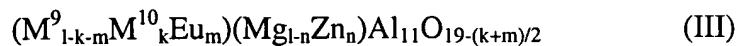
5. (currently amended): A phosphor according to claim ~~1-3 or 2-4~~, wherein M^5 is Al.

6. (currently amended): A phosphor ~~according to claim 1~~ which comprises a compound represented by the following formula (II):



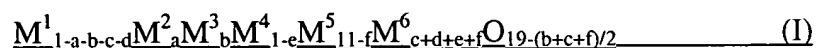
{wherein M^7 is at least one element selected from the group consisting of La, Y and Gd and M^8 is at least one element selected from the group consisting of Ca, Sr and Ba, and g, h, i and j are numbers satisfying the conditions of $0 < g \leq 0.6$, $0 \leq h \leq 1$, $0 \leq i \leq 0.5$, $0 \leq j \leq 0.5$, $h+i \leq 1$, and $0 < i+j \leq 0.5$, respectively}.

7. (currently amended): A phosphor ~~according to claim 1~~ which comprises a compound represented by the following formula (III):



{wherein M^9 is at least one element selected from the group consisting of La, Y and Gd and M^{10} is at least one element selected from the group consisting of Ca, Sr, and Ba, and k , m and n are numbers satisfying the conditions of $0 < k \leq 0.6$, $0 < m \leq 0.4$, $0 \leq n \leq 1$, and $k+m < 1$, respectively}.

8. (currently amended): A vacuum ultraviolet ray-excited light-emitting element comprising ~~the a phosphor described in claim 1 or 2 for vacuum ultraviolet ray-excited light-emitting elements which comprises a compound represented by the following formula (I):~~



wherein M^1 is at least one element selected from the group consisting of La, Y and Gd, M^2 is at least one element selected from the group consisting of Ce and Tb, M^3 is at least one element selected from the group consisting of Ca, Sr and Ba, M^4 is at least one element selected from the group consisting of Mg and Zn, M^5 is at least one element selected from the group consisting of Al and Ga, and M^6 is at least one element selected from the group consisting of Mn and Eu, and a , b , c , d , e and f are numbers satisfying the conditions of $0 \leq a < 1$, $0 \leq b \leq 0.6$, $0 \leq c \leq 0.5$, $0 \leq d \leq 0.5$, $0 \leq e < 1$, $0 \leq f < 1$, $a+b+c+d < 1$, and $0 < c+d+e+f$, respectively.

9. (new): A vacuum ultraviolet ray-excited light-emitting element comprising the phosphor of claim 2.